

Title (en)

Foam-type vascular prosthesis with well-defined angio-permissive open porosity

Title (de)

Schaumartige Prothese mit gut definierter angio-permissiver offener Porosität

Title (fr)

Prothèse vasculaire de type mousse avec porosité ouverte angio-permissive bien définie

Publication

EP 1669044 A3 20080109 (EN)

Application

EP 06006603 A 19991119

Priority

- EP 99959063 A 19991119
- US 14470499 P 19990720
- US 43464999 A 19991105

Abstract (en)

[origin: EP1669044A2] A vascular prosthesis is constructed from a well-defined pore structure to allow uninterrupted ingrowth of connective tissue into a wall of the prosthesis. Several different method can be used to produce the prosthesis, including a vacuum impregnation technique, a paste molding technique, a paste extrusion technique, a dip coating technique, and a melt extrusion technique. Furthermore, mechanical properties of the prosthesis are matched with mechanical properties of the host vessel, thereby overcoming problems of compliance mismatch.

IPC 8 full level

A61F 2/06 (2006.01)

CPC (source: EP)

A61F 2/0077 (2013.01); **A61F 2/06** (2013.01); **A61L 27/18** (2013.01); **A61L 27/507** (2013.01); **A61L 27/56** (2013.01); **A61L 31/146** (2013.01); **A61F 2/2415** (2013.01); **B29C 48/00** (2019.01); **B29C 48/10** (2019.01); **B29K 2021/00** (2013.01); **B29K 2075/00** (2013.01); **B29K 2105/04** (2013.01); **B29K 2105/06** (2013.01); **B29K 2105/16** (2013.01)

Citation (search report)

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- [XY] US 4657544 A 19870414 - PINCHUK LEONARD [US]
- [Y] US 4725273 A 19880216 - KIRA KAZUAKI [JP]

Cited by

KR20200017435A; EP3630212A4

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

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